GOVERNMENT OF INDIA
POWER
LOK SABHA

STARRED QUESTION NO:416
ANSWERED ON:18.12.2000
STUDY ON TRANSMISSION LOSSES
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Will the Minister of POWER be pleased to state:

(a) whether the Rural Electrification Corporation has recently conducted anystudy on the transmission losses in rural areas of various States;

(b) if so, the details thereof, State-wise;

(c) the steps taken/proposed to be taken to minimize such losses; and

(d) the targets fixed for the next three years by Rural Electrification Corporation in this regard?

Answer

THE MINISTER OF POWER (SHRI SURESH P. PRABHU)

(a) to (d): A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OSTARRED QUESTION NO. 416 TO BE ANSWERED IN TI LOK SABHA ON 18.12.2000 REGARDING STUDY ON TRANSMISSION LOSSES.

(a) & (b): Rural Electrification Corporation (REC) has not conducted any studyon the transmission losses in rural areas of various States. However, a statement showing the percentage of T&D losses including both the technical and commercial losses, as assessed by the concerned State ElectricityBoards/Electricity Departments, for the years 1995-96, 1996-97 and 1997-98 forthe entire State including rural areas is given as Annex.

(c) : In the Common Minimum National Plan for Power announced in December, 1996, the following measures have been suggested:

1. Compulsory metering at sub-stations on all major feeders.

2. Compulsory metering of all new electricity connections. Metering of all connections to agriculture sector exceeding 10 HP should be completed within a period of 2 years. All electric supplies should be metered by 2002 A.D.

3. Compulsory annual energy audit to be ensured in respect of large consumers of more than 100 KVA load.

4. Time of the day metering would be introduced for big power consumers for better load management.

In order to reduce the commercial loss which occurs as a result of energy thefts, faulty billing and metering, it was resolved in the Power Ministers` Conference held on 26.2.2000 that the State/UT Governments would implement the following measures:

a. Energy audit at all levels.
b. 100% metering of all consumers by December 2001.
c. Reduction and finally, elimination of power theft within a specified timeframe.
d. Strengthening/upgradation of sub-transmission and distribution system.

Under the Accelerated Power Development Programme (APDP)funds will be provided to the State Governments for implementing specific projects for improving the sub-transmission and distribution system including installation of Electric Metering Systems.

With the implementation of these measures by the SEBs/PowerUtilities, it will be possible to reduce both technical as well as commercial losses. Power distribution falls within the purview of the State Governments and theactivities pertaining to prevention of theft of electricity and removing illegal connections have to be taken care of by the power utilities operating under their jurisdiction. Theft of electricity has been made a cognizable offence under the Indian Electricity Act, 1910, and the utilities have to effectively

implement the provisions of the law to curb the theft of electricity.

(d) : State Governments/State Electricity Boards who own and operatedistribution systems, fix the targets for reduction of transmission losses. R E C provides financial assistance for System Improvement Schemes sponsored by the State Electricity Boards/Power Utilities for reduction of transmission losses. State Electricity Boards are also being assisted by the REC in strengthening the LT distribution network and installation of energy meters wherever required.

ANNEXE

ANNEXE REFERRED TO IN PARTS (a) & (b) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 416 TO BE ANSWERED IN THE LOK SABHA ON 18.12.2000 REGARDING STUDY ON TRANSMISSION LOSSES.

PERCENTAGE TRANSFORMATION, TRANSMISSION & DISTRIBUTION LOSSES (INCLUDING COMMERCIAL LOSSES SUCH AS PILFERAGE ETC.) IN SEBS/EDS.

REGION	SEBs/Eds	95-96	96-97	97-98
NORTHERN REGION	1.Haryana	32.39	32.77	34.04
	2.Himachal Pradesh	16.09	18.02	20.13
	3.Jammu & Kashmir	47.52	48.27	49.95
	4.Punjab	18.49	19.10	18.94
	5.Rajasthan	29.27	26.28	26.41
	6.Uttar Pradesh	21.84	24.84	26.18
	7.Chandigarh	33.72	21.88	22.38
	8.DVB(Delhi)	48.57	49.08	47.91
WESTERN REGION	1.Gujarat	20.08	17.14	21.57
	2.Madhya Pradesh	17.84	19.24	19.58
	3.Maharashtra	16.95	16.55	18.75
	4.D&N Haveli	9.31	8.80	12.90
	5.Goa	26.06	23.50	31.02
	6.Daman &Diu	12.80	8.15	14.69
SOUTHERN REGION	1.Andhra Pradesh	19.34	33.19	32.14
	2.Karnataka	19.06	18.73	19.31
	3.Kerala	21.12	20.59	18.73
	4.Tamil Nadu	16.19	17.65	17.29
	5.Lakshadweep	17.23	15.11	15.70
	6.Pondicherry	16.54	17.38	13.56
EASTERN REGION	1.Bihar	15.91	25.31	16.26
	2.Orissa(GRIDCO)	24.17	50.15	50.10
	3.Sikkim	16.47	29.24	22.87
	4.West Bengal	19.26	18.01	19.67
	5.A&N Islands	19.25	19.15	20.59
NORTHERN EASTERN REGION				
	1.Assam	26.91	25.97	27.32
	2.Manipur	24.85	22.95	21.09
	3.Meghalaya	12.55	19.75	12.28
	4.Nagaland	35.17	26.81	29.79
	5.Tripura	30.86	30.11	31.11
	6.Arunachal Pradesh	37.12	32.62	34.10
	7.Mizoram	25.18	34.35	46.84
All INDIA UTILITIES		22.27	24.53	24.79

Source: DMLF Division, Central Electricity Authority (General Review)